

Fleet Numerical Meteorology and Oceanography Center

FNMOC Climate Services

This briefing is UNCLASSIFIED

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Navy Climatology History

- 1959: U.S. Navy climatology support was established in Asheville, NC.
- 1993: Navy climatology support was realigned and given the title Fleet Numerical Meteorology and Oceanography Detachment (FNMOD) Asheville. Co-located with NOAA NCDC and USAF 14WS. Contained a team of approx. 10-11 people.
- 2009: All Navy climatology was relocated to FNMOC in Monterey, CA.
 - Hardware not IA compliant = Started from ground zero.
 - Downsized to a team of 2
- 2010: ACAF Version 1.0 Operational
- 2012: ClimoPortal Version 1.0 Operational
- 2014: ACAF Version 3.0 / ClimoPortal Arctic







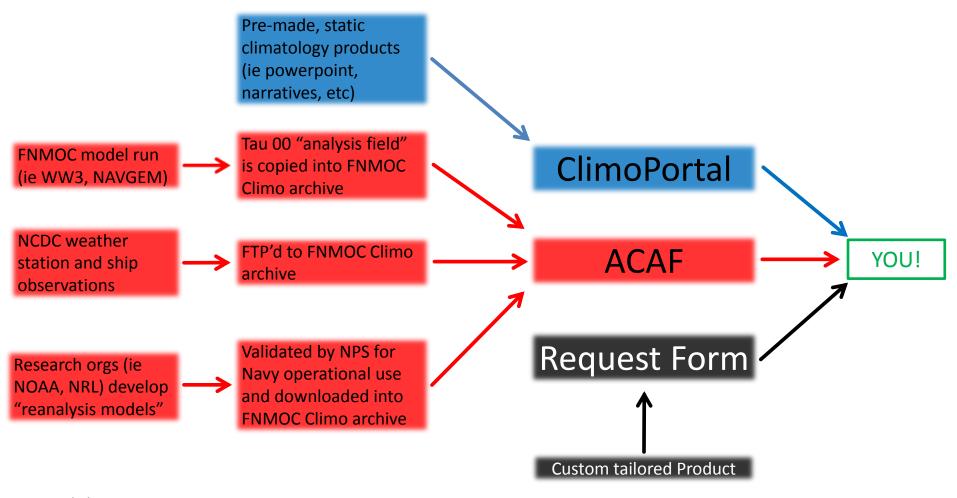


The Navy still has climatologists! Key to success = Automation!



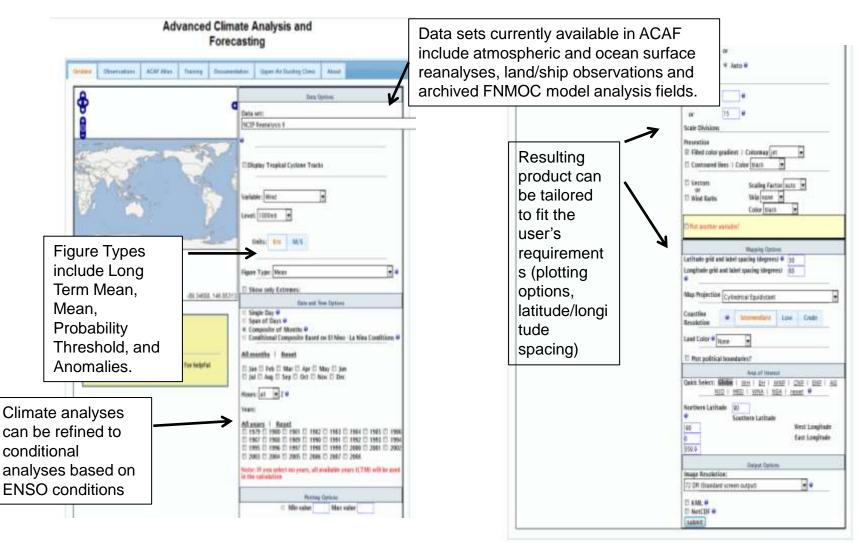
Mission

We make climatological information available to you in many different ways.





ACAF - Gridded Data



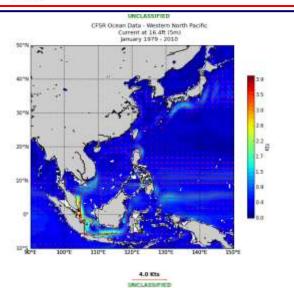


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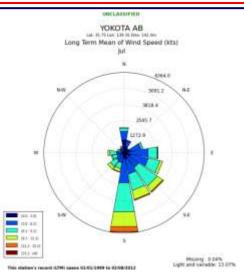
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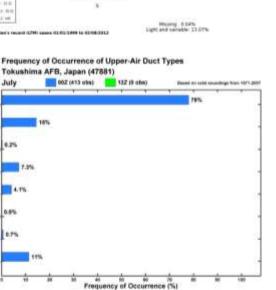
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ACAF Examples



Degrees F





NIPR:

https://portal.fnmoc.navy.mil/acaf/

Training Videos -

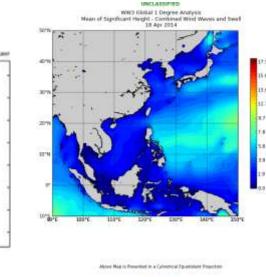
https://portal.fnmoc.navy.mil/acaf/acaf_training_series.html

SIPR:

http://portal.fnmoc.navy.smil.mil/acaf/

Training Videos -

http://portal.fnmoc.navy.smil.mil/acaf/acaf_tr
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4/7/2015 Fleet Numerical...

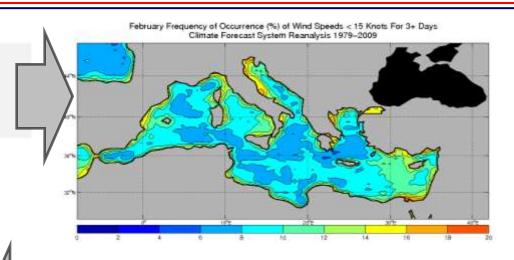


NMME Use Cases / Wish List

MV Cape Ray – Syria Chemical Weapons

- Frequency of Occurrence Graphics
- Winds <15Kts for 3+ Days





USS Guardian – Grounding Philippines

- Wind/Wave Thresholds Exceeding
- Conditions persist for multiple days



- Surface and Subsurface Conditions
- SST, Salinity, Currents, Air Temp, Humidity and Winds







NAVY CLIMATOLOGY































Questions?